CLAIMS

1. A method for abstracting device names in a system, comprising the operations of:

receiving a logical name indicating a device type of physical device present in a system;

selecting a physical device in the system, the physical device having a device type indicated by the logical name; and

determining a physical device name for a software component representing the selected physical device.

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- 2. A method as recited in claim 1, further comprising the operation of providing the physical device name to a requesting application program, wherein the physical device name is a character string.
- 15 3. A method as recited in claim 1, further comprising the operation of providing a handle to the software component to a requesting application program.
 - 4. A method as recited in claim 1, wherein the logical name is a generic character string indicating a device type of physical device present in a system.

5. A method as recited in claim 1, wherein the software component is a logical device object, the logical device object including a physical device implementation code segment capable receiving device data from a physical device, the logical device object further including an application programming interface (API) in communication with a physical device implementation code segment, wherein the API is capable of receiving the device data from the physical device code segment.

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- 6. A method as recited in claim 5, wherein an application program can
 communicate with the API to access the device data.
 - 7. A method as recited in claim 1, further comprising the operation of registering software components representing physical devices in the system with a logical device manager, the logical device manager capable of receiving the logical name from an application program.
 - 8. A computer program embodied on a computer readable medium, the computer program capable of abstracting device names in a system:

computer program instructions that receive a logical name indicating a device type of physical device present in a system;

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computer program instructions that select a physical device in the system, the physical device having a device type indicated by the logical name; and

computer program instructions that determine a physical device name for a software component representing the selected physical device.

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- 9. A computer program as recited in claim 8, further comprising computer program instructions that provide the physical device name to a requesting application program, wherein the physical device name is a character string.
- 10. A computer program as recited in claim 8, further comprising computer program instructions that provide a handle to the software component to a requesting application program.
- 11. A computer program as recited in claim 8, wherein the logical name is a generic character string indicating a device type of physical device present in a system.
 - 12. A computer program as recited in claim 8, wherein the software component is a logical device object, the logical device object including a physical device implementation code segment capable receiving device data from a physical device, the logical device object further including an application programming interface (API) in

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communication with a physical device implementation code segment, wherein the API is capable of receiving the device data from the physical device code segment.

- 13. A computer program as recited in claim 12, wherein an application5 program can communicate with the API to access the device data.
 - 14. A computer program as recited in claim 8, further comprising computer program instructions that register software components representing physical devices in the system with a logical device manager, the logical device manager capable of receiving the logical name from an application program.

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15. A system for abstracting device names in a system, comprising: an application program;

a logical device manager capable of providing access to a particular software

component in response to receiving a software component type request from the

application program; and

a software component capable of performing a particular function, the software component having a software component type, the software component further having a software component name,

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wherein the application program provides a logical name indicating a software component type present in the system, and wherein the logical device manager determines the software component name based on the software component type.

- 5 16. A system as recited in claim 15, wherein the logical device manager provides the software component name to the application program, wherein the physical device name is a character string.
- 17. A system as recited in claim 15, wherein the logical device manager provides a handle to the software component to the application program.
 - 18. A system as recited in claim 15, wherein the software component type request is a generic character string indicating a type of software component present in a system.

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19. A system as recited in claim 15, wherein the software component is a logical device object, the logical device object including a physical device implementation code segment capable receiving device data from a physical device, the logical device object further including an API in communication with a physical device

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implementation code segment, wherein the API is capable of receiving the device data from the physical device code segment.

20. A system as recited in claim 19, wherein the application program can communicate with one of the API and logical device to access the device data.

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